



Atty Doc. No. HME/7477.015

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION EXAMINING OPERATIONS

In re the Application of :
Georges A. Guiochon : Group Art Unit: 3721

Serial No. 10/068,174 : Examiner:

Filed: February 6, 2002 : Date: March 12, 2002

For a Patent for :
METHOD AND APPARATUS TO PACK :
HIGH EFFICIENCY COLUMNS FOR :
CHROMATOGRAPHY :

RECEIVED
MAR 25 2002
TECHNOLOGY CENTER ESTD

**INFORMATION DISCLOSURE STATEMENT
IN ACCORDANCE WITH 37 CFR §1.98**

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Applicant submits herewith copies of patents and publications of which he is aware and which he desires to have considered by the Patent Office in accordance with 37 CFR §1.97. In accordance with 37 CFR §1.97(b)(3), this Information Disclosure Statement is being submitted before the mailing date of a first Office Action on the merits of the above-identified application.

In accordance with 37 CFR §1.97(h), the filing of this Information Disclosure Statement will not be regarded as an admission that any patent or publication or combination of patents referred to herein is, or is considered to be, material to patentability under 37 CFR §1.56(b) unless specifically designated as such.

A list of the patents and publications enclosed herewith is set forth on the attached 3 pages of Information Disclosure Statement by Applicant.

The person making this statement is the attorney who signs below on the basis of the information supplied by the inventor and the information in his file.

Respectfully submitted,

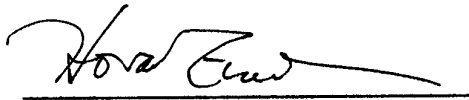


Howard M. Eisenberg
Reg. No. 36,789
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601 S.W. Second Avenue
Portland, OR 97204-3157
Attorney for Applicant
Tel: (503) 227-5631

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on March 12, 2002.

Dated: 3/12/02

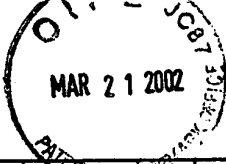

Howard M. Eisenberg



INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/068,174
				Filing Date	February 6, 2002
				First Named Inventor	Georges A. Guiochon
				Group Art Unit	3721
				Examiner Name	
Sheet	1	of	3	Attorney's Docket No.	HME/7477.015

U.S. Patent Documents						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YY	Pages, columns, lines where passages or relevant figures appear
		Number Code	Kind			
	AA	6,171,486		Green et al	01-09-01	
	A B	6,001,253		Conroy et al	12-14-99	
	A C	5,601,708		Leavesley	02-11-97	
	A D	4,250,035		McDonald	02-10-81	
	A E					
	A F					
	A G					
	A H					
	A I					
	A J					
	A K					
	A L					
	AM					
	AN					
	AO					
	AP					
	AQ					

Examiner Signature		Date Considered	
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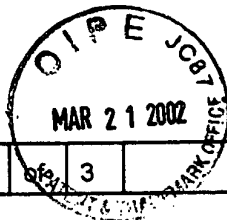


Sheet	2	of	3	Inventor:	Guiochon
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FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No. ¹	FOREIGN PATENT DOCUMENTS			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YY	Pages, columns, lines where passages or relevant figures appear	T ²
		Office code	Number	Kind				
	B A							
	B B							
	B C							
	B D							
	B E							
	B F							
	B G							
	B H							
	B I							
	B J							

Examiner Signature		Date Considered	
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¹ Unique citation designation number. ² Applicant is to place a check mark here if English language translation is attached.



Sheet	3	3	Inventor:	Guiochon
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OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS			T ²
Examiner Initials	Cite No.	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and or country where published	
	C A	GUIOCHON, G., et al., "Consolidation of Particle Beds and Packing of Chromatographic Columns", J. Chromatography, 762:83-88 (1997)	
	C B	GUIOCHON G., and SARKER, M., "Consolidation of the Packing Material in Chromatographic Columns under Dynamic Axial Compression", J. Chromatography, 704:247-268 (1995)	
	C C	POOLE, CF, and POOLE, SK, "Performance Characteristics of Liquid Chromatography Columns Using Reduced Parameters", Section 1.7.10, in Chromatography Today, pages 76-78, Elsevier Science Publishers B.V., The Netherlands (1991)	
	C D	SARKER, M, and GUIOCHON, G., "Study of the Packing Behavior of Axial Compression Columns for Preparative Chromatography", J. Chromatography, 702:27-44 (1995)	
	C E	TALLAREK, U., et al, "Study of Dispersion in Packed Chromatographic Columns by Pulsed Field Gradient Nuclear Magnetic Resonance", J. American Chemical Society, 120(7):1494-1505 (1998)	
	C F		
	C G		
	C H		
	C I		
	C J		

Examiner Signature		Date Considered	
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¹ Unique citation designation number. ² Applicant is to place a check mark here if English language translation is attached.



#3
IDS 32902.721
S. Zimmerman

TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Application Number	10/068,174
		Filing Date	February 6, 2002
		First Named Inventor	Georges A. Guiochon
		Group Art Unit	3721
		Examiner Name	
Total Number of Pages in this Submission	6*	Attorney Docket Number	HME/7477.015

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavit(s)/Declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Part(s)/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an application) <input type="checkbox"/> Drawings <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> Petition To Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request for Refund	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below) * - plus submitted references 4 US patent references 5 Non-patent documents
Remarks:		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual Name	Howard M. Eisenberg 1600 ODS Tower, 601 SW Second Ave Portland, OR 97204-3157
Signature	
Date	March 12, 2002

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date.			
Type or print name	Howard Eisenberg		
Signature		Date	March 12, 2002



FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

Complete if Known

Application Number 10/068,174
Filing Date February 6, 2002
First Named Inventor Georges A. Guiochon
Examiner Name
Group/ Art Unit 3721
Attorney Docket No. HME/7477.015

TOTAL AMOUNT OF PAYMENT \$0

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge the indicated fees and credit any over payments to:

Deposit Account Number 50-1773
Deposit Account Name Howard Eisenberg

☒ Charge any additional fee required under 37 CFR 1.16 & 1.17

☒ Applicant claims small entity status. See 37CFR 1.27

2. ☐ Payment Enclosed

☐ Check ☐ Credit Card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	
SUBTOTAL (1)					\$0

2. EXTRA CLAIM FEES

	Extra Claims	Fee from below	Fee Paid
Total Claims	-43** = 0 x 9 = 0		
Indep. Claims	-5** = 0 x 42 = 0		
Multiple Dependent			

*or number of previously paid, if greater. For reissues, see below.

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	**Reissue independent claims over original patent
110	18	210	9	*Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) \$0

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge-late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex-parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1840*	113	1840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(a)	
126	180	126	180	Submission of Information Disclosure Stmt.	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 C.F.R. 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 C.F.R. 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other (specify)

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) \$0

SUBMITTED BY

Complete (if applicable)

Name (print type) Howard Eisenberg, Esq.

Registration No.

36,789

Telephone

(503) 227-5631

Signature

Date

March 12, 2002